

| Ref # | Hits  | Search Query   | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|-------|--|---|------------------|---------|------------------|
| L17   | 185   | (atomic near2 percent near2 Cr)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>IBM_TDB | OR               | ON      | 2005/02/18 10:51 |
| L18   | 4     | ((("6660357") or ("20040080847") or ("5820769") or ("6174597"))).PN.   | US-PGPUB;<br>USPAT;<br>EPO; JPO                       | OR               | OFF     | 2005/02/18 12:01 |
| S1    | 12    | ((("5820769") or ("5583727") or ("6331364") or ("6383597") or ("6493183") or ("20030021191") or ("20030107833") or ("5436448") or ("6011664") or ("5900728") or ("5900729") or ("5804710"))).PN.                           | US-PGPUB;<br>USPAT;<br>EPO; JPO                       | OR               | OFF     | 2005/02/09 13:41 |
| S2    | 1     | ("6421195").PN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO                       | OR               | OFF     | 2005/02/09 13:50 |
| S3    | 3     | ((("6660357") or ("6391430") or ("5844755"))).PN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO                       | OR               | OFF     | 2005/02/09 13:52 |
| S4    | 103   | ((discrete adj magnetic) or (single adj2 domain) or (patterned adj5 (media or medium or dis\$1)) or (magnetic adj5 iland)) same (multipl\$5 or plural\$3 or several or multi-level or multilevel) adj5 (layer or level)    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>IBM_TDB | OR               | ON      | 2005/02/15 14:36 |
| S5    | 10    | ((patterned adj5 (media or medium or dis\$1)) or (magnetic adj5 iland)) same (magnetic near4 (moment flux)) and ((switch\$3 chang\$3) near4 (orientation direction polarity))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>IBM_TDB | OR               | ON      | 2005/02/15 14:52 |
| S6    | 3357  | (magnetic or hard) near2 (dis\$1 or medi\$2) and (perpendicular\$2) same (((multipl\$5 or plural\$3 or several or many or second or two) near4 (layer level)) or (multilevel or multilayer or multi-level or multi-layer)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>IBM_TDB | OR               | ON      | 2005/02/16 14:08 |
| S7    | 4     | (spaced separated distanced apart) same (magnetic near4 island) same (magnetic near3 (moment flux))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>IBM_TDB | OR               | ON      | 2005/02/14 10:34 |
| S8    | 13730 | (magnetic near3 (moment flux)) same (opposite different) near4 (orientation direction polarit\$2)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>IBM_TDB | OR               | ON      | 2005/02/15 11:21 |

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| S9  | 282  | S6 and S8   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>IBM_TDB | OR | ON  | 2005/02/14 10:44 |
| S10 | 3    | S9 and (patterned near2 medi\$2)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>IBM_TDB | OR | ON  | 2005/02/14 10:38 |
| S11 | 3    | ((("6660357") or ("6391430") or ("5844755")).PN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO                       | OR | OFF | 2005/02/14 11:40 |
| S12 | 4    | ("5458987").URPN.   | USPAT   | OR | ON  | 2005/02/14 12:21 |
| S13 | 6    | ("5408377"   "5465185"   "5587223"   "5768075"   "5820769"   "6280813").PN.   | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | ON  | 2005/02/14 13:23 |
| S14 | 4    | ("6391430").URPN.   | USPAT   | OR | ON  | 2005/02/14 13:24 |
| S15 | 27   | ("4410603"   "4438471"   "4541026"   "4546398"   "4575777"   "4613918"   "4629660"   "4649449"   "4731157"   "4974110"   "5447781"   "5738927"   "5763108"   "5830569"   "5846598"   "5895712"   "5900324"   "5907790"   "5942342"   "6001447"   "6090480"   "6094328"   "6228515"   "6261681"   "6270885"   "6395413"   "6531202").PN. | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | ON  | 2005/02/14 13:25 |
| S16 | 2    | ("5844755").URPN.   | USPAT   | OR | ON  | 2005/02/14 13:27 |
| S17 | 6    | ("5231294"   "5303182"   "5343422"   "5477482"   "5583727"   "5587235").PN.   | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | ON  | 2005/02/14 13:55 |
| S18 | 1103 | 360/55,131.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | ON  | 2005/02/18 13:18 |
| S19 | 56   | S6 and S18  | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | ON  | 2005/02/14 13:56 |
| S20 | 57   | (magnetic near4 anisotropy) and (stack\$2 near3 cells)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>IBM_TDB | OR | ON  | 2005/02/14 14:26 |
| S21 | 11   | (magnetic near4 anisotropy) and (magnetic near3 stack\$2 near3 cells)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>IBM_TDB | OR | ON  | 2005/02/14 14:37 |

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| S24 | 24    | ((patterned adj5 (media or medium or dis\$1)) or (magnetic adj5 island)) same (magnetic near2 anisotropy)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>IBM_TDB | OR | ON  | 2005/02/14 15:12 |
| S26 | 2     | (magnetic near2 island) same cell  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>IBM_TDB | OR | ON  | 2005/02/15 11:20 |
| S27 | 14    | ((discrete adj magnetic) or (single adj2 domain) or (patterned adj5 (media or medium or dis\$1)) or (magnetic adj5 iland)) same (magnetic adj5 cell) same anisotrop\$3 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>IBM_TDB | OR | ON  | 2005/02/15 11:24 |
| S28 | 1     | ("6331364").PN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO                       | OR | OFF | 2005/02/15 13:04 |
| S30 | 9     | (magnetic adj5 island) and (two second) near4 cell   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>IBM_TDB | OR | ON  | 2005/02/15 14:35 |
| S33 | 10537 | (record\$3 near3 cell)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>IBM_TDB | OR | ON  | 2005/02/15 14:52 |
| S34 | 23    | S33 and (patterned adj5 (media or medium or dis\$1))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>IBM_TDB | OR | ON  | 2005/02/16 14:03 |
| S35 | 4     | (two second) same (magnetic adj5 island) same (bit or cell)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>IBM_TDB | OR | ON  | 2005/02/16 12:38 |
| S36 | 4     | ("5623474"   "5699204"   "6064541"   "6643082").PN.  | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | ON  | 2005/02/16 12:33 |
| S38 | 7     | ("4802050"   "4935278"   "4948703"   "5317468"   "5571591"   "5772905"   "6168845").PN.  | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | ON  | 2005/02/16 12:36 |
| S40 | 37    | (magnetic adj5 island) same (bit or cell)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>IBM_TDB | OR | ON  | 2005/02/16 12:39 |

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| S41 | 53  | (magnetic near5 island) same (bit or cell)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2005/02/16 12:39 |
| S43 | 7   | S40 and void  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2005/02/16 14:06 |
| S44 | 9   | S41 and void  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2005/02/16 14:07 |
| S45 | 133 | (magnetic or hard) near2 (dis\$1 or medi\$2) and (perpendicular\$2) same (((multipl\$5 or plural\$3 or several or many or second or two) near4 (layer level)) or (multilevel or multilayer or multi-level or multi-layer)) and void | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2005/02/16 14:10 |

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